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APPLICANT : GUN EI CHEM IND CO LTD;

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TITLE : MANUFACTURE OF RESIN COATED SAND

ABSTRACT : PROBLEM TO BE SOLVED: To provide a manufacturing method for a resin coated sand for molding a shell mold which is low in odor, high in strength and resistant in blocking property.

SOLUTION: In a manufacturing method, novolac phenol resin of 0.5-5 pts.wt. is added to a refractory aggregate of 100 pts.wt. heated to 100-180°C is added, melted and kneaded, the novolac phenol resin is uniformly coated on the surface of the refractory aggregate, and resol phenol resin emulsion or suspension of 0.5-5 pts.wt. is added thereto. In addition, the volatile component is evaporated and removed through further kneading, and the resin is coated on the surface of the refractory aggregate.

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